

## Mason Sees More Gains During 1970 As Carbide Expands Here And Abroad

Birny Mason, Jr., chairman of the board of Union Carbide Corporation, looks for a continuation in 1970 of the gains realized by the corporation during the current year, in which record sales and significantly improved earnings are anticipated.

Mason stated "although there are some indications that our rate of sales growth may be slowing down somewhat as inflationary restraints take effect, there is reason for considerable optimism in the Union Carbide outlook." He noted that the corporation does not expect the effects of the slowdown to be either severe or long lasting, and that the corporation's forecast for the year as a whole calls for slower but continued growth. Mr. Mason also mentioned his belief that the corporation will be able to improve its operating efficiency in 1970, thereby raising profit margins and earnings, despite anticipated increases in the costs of labor, raw materials, transportation, and taxes.

To meet the increasing demand for Union Carbide products, the corporation has been pursuing a program of domestic and overseas expansion. Major new facilities for chemicals and plastics have recently been completed at Taft, Louisiana, and Texas City and Seadrift, Texas, and for food casings at Barceloneta, Puerto Rico. Construction is under way at numerous domestic locations, including Marietta, Ohio; Maryville, Missouri; and Ponce and Yabucoa, Puerto Rico. Overseas, expansions have been completed or are in progress for chemicals and plastics in Belgium, Sweden, Australia, Japan, and Brazil; and for carbon products in Brazil, Italy, and Spain. Work has started

on still other facilities, including a third battery plant in Africa, a latex plant in Thailand, and a mine in the Congo. Capital expenditures for 1970 are expected to be approximately the same as or slightly higher than the estimated \$325 million spent in 1969.

## Nuclear News Is Set For February

A new six-page publication . . . the Nuclear Division News . . . will begin next month for Union Carbide Corporation employees in the Oak Ridge Y-12 Plant and the Oak Ridge Gaseous Diffusion Plant.

The bi-weekly newspaper will be mailed to employees in each of the two plants and will go to the employees' home, as usual.

Pages three and four of the publication will be different for each plant . . . as news of interest to that plant alone will be included . . . recreational news, news of personal nature, company anniversaries, etc. The outside four pages . . . i.e., page one, two, five and six will include news pertinent to both installations.

Offices for the new publication will be in Y-12 . . . Building 9711-5, and 9704-2. The telephone numbers will be 3-7100, and 3-5345.

Dead-line for the Thursday-dated paper will be the previous Thursday. Photographic deadline, of course, will be one day earlier . . . or Wednesday, a week before the desired Thursday of publication. That is, dead-line for the first issue of the February 12 paper will be for photos, Wednesday, February 3, and for copy noon Thursday, February 4. These

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## Butner, Hickey, Olmstead And Vandusen Are Promoted In Physical Testing Dept.

Materials Testing Support and Non-Destructive Testing, in Technical Services, have announced the promotions to foremen four men, effective January 1. They are Mason A. Butner Jr., Charles J. Hickey, Clayton R. Olmstead and Delbert L. Vandusen. Butner and Hickey are in Materials Testing Support; and Olmstead and Vandusen are in Non-Destructive Testing.

Butner, born in Athens, Alabama, came here September 21, 1953. He worked in K-25 from 1948 until 1953.

He lives at 125 Northwestern Avenue, Oak Ridge, with his family. Mrs. Butner is the former Mary H. Pullen. They have three children . . . Gary, attending Memphis State University on a track scholarship; Judy, a senior in Oak Ridge High School; and Ted, a sophomore.

For recreation, Butner leans to spectator sports . . . football, basketball, and, of course, track. Studies at the University of Tennessee keep him busy, also.

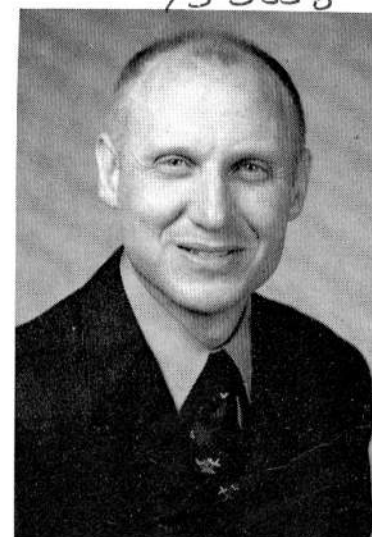
Charles J. Hickey, a native of Lenoir City, still lives there at 801 Bell Avenue.

He served in the U.S. Army from 1952 until 1954, coming to Y-12 November 1, 1954. He had worked with the Tennessee Valley Authority and Jakes Foundry, Nashville, before going into service.

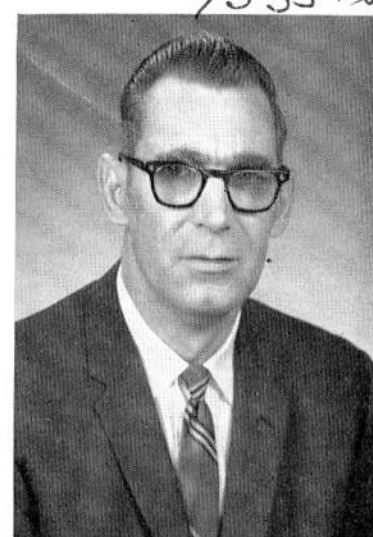
Mrs. Hickey is the former Leona Durham. They have a daughter, Brenda, in school in Lenoir City.

Hunting and fishing occupy a lot of Hickey's leisure.

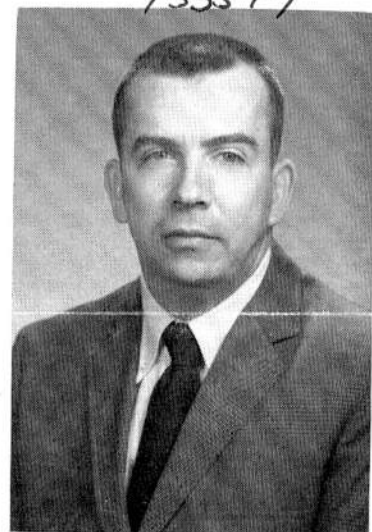
Clayton R. Olmstead, born in Lancing, near Deerlodge, lives there at Route 1, on his 100-acre



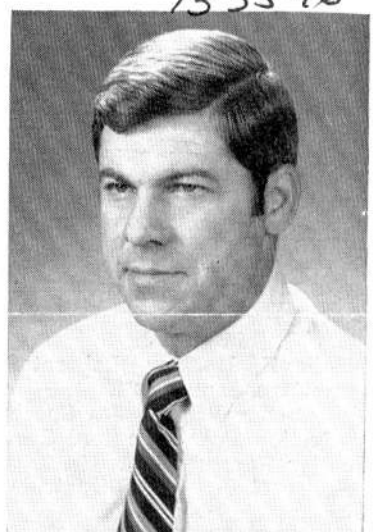
Mason A. Butner Jr.



Charles J. Hickey



Clayton R. Olmstead



Delbert L. Vandusen

cattle farm. He came here June 20, 1954 . . . working a previous stint in the plant. He worked with the Glen Vale Products Company, Detroit, and served from 1952 until 1954 in the U.S. Marine Corps, between his Y-12 jobs.

Mrs. Olmstead is the former Ella Stringfield, and the couple has two boys, Ted attending Central High School, Wartburg; and Wayne, in Deerlodge Elementary School.

After work on the farm is done, Olmstead likes to hunt and fish.

Delbert L. Vandusen lives at 5712 Scenic Hills Drive, Knoxville, with his wife the former Helen Kilby . . . a registered nurse who was once employed in our Medical Department. (She is sister to Lib Kilby . . . in the Plant Shift Superintendents Division). The Vandusens have two children . . . Vickie, attending Northwestern Junior High School, and David attending Norwood Elementary School.

Vandusen was born in Sterling,

Illinois. He attended the University of Tennessee and is a veteran of the U.S. Air Force, serving from 1953 until 1956. He is captain in the Air National Guard at the present.

He enjoys all kinds of sports, and is a member of the Sports Car Club of America, and at present is building a Formula V. Racer.

## Safety Certificate To Be Distributed

Y-12ers will reap the benefits of the new safety award program shortly. The Safety Department advises that distribution of the gift certificates will be made in early February.

The new award plan places emphasis on the prevention of serious injury, as well as the prevention of disabling injuries. For each million man-hours the Plant operates without a disabling injury, each employee in Y-12 is entitled to one dollar; and for each calendar month a group operates without a serious injury, each employee in that group earns 50 cents, added to his accumulated share. Awards earned for the past year range in value from \$12 to \$13 . . . \$12 for the prevention of disabling injury and zero to \$6 for the prevention of serious injury.

The new award plant provides for awards of gift certificates, rather than merchandise as previously.

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**FOUR MEN** in the Product Engineering and Scheduling Division recently received certificates showing they had completed the course in 'The Principles of Cost Estimating and Cost Control.' The course, sponsored by the American Society of Tool and Manufacturing Engineers, entails methods of estimating fabrication time and costs and controlling them. C. C. Hopkins, division superintendent, presents certificates to Guy Seaton, Tom Todd, Bill Ladd and Don Scott, from left to right.

## SAFETY SCOREBOARD

The Y-12 Plant Has  
Operated  
19 Days Or  
559,000 Man-Hours  
(Unofficial Estimate)  
Through January 18  
Without A Disabling Injury  
SAFETY AT HOME,  
AT WORK, AT PLAY



# The Bulletin

Published Weekly For The  
Y-12 Employees Of  
UNION CARBIDE  
CORPORATION



NUCLEAR DIVISION

JAMES A. YOUNG Editor

Member Appalachian  
Industrial  
Editor's  
Association

American Association Industrial Editors

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Cold weather doesn't slow Y-12 down much when it comes to anniversaries. Congratulations to the following employees observing big days with Union Carbide Corporation.

## 25 YEARS

Azor C. Lee, Special Services, January 22.

Robert L. Ruffin, Building Services Department, January 24.

Lige A. Turpin, Process Maintenance, January 29.

Henry W. Krouse, Fire Department, January 31.

Everett P. Braden, Alpha Five Processing, February 2.

## 20 YEARS

Arthur W. Brewer, Mechanical Design Engineering, February 1.

## 15 YEARS

Ruth E. Ruffner, Laboratory Operations, January 24.

Alexander P. Bass Jr., Special Production, Scheduling and Coordination, January 24.

Bertie K. Bristow, Dispatching Department, January 24.

Herman Dyer, Beta Four Forming, January 25.

Donald C. Wood, Legal Department, January 28.

Dudley L. Jenkins, H-2 and F-Area Shops, January 29.

Samuel C. Campbell, Metallurgical Development, January 31.

Mary L. Miller, Laboratory Operations, February 1.

Alan D. Hoose, A-2, Shops, 9212, February 1.

Betty P. Brown, Data Processing, February 2.

Charles K. Morris, Engineering Mechanics, February 2.

## Frank Broome Speaks At Quality Control Meet

Frank H. Broome, supervisor of the Inspection Area Engineers, spoke last week to the Tennessee Section of the American Society for Quality Control.

Broom's subject was "Computer-Aided Gaging."

Approximately 33 members and guests were present for the meeting, held at the Holiday Inn, Oak Ridge.

## LRL's Schaeffer Guest At Physics Seminar

Friday's Physics Division seminar will be conducted by Dr. Richard Schaeffer, Lawrence Radiation Laboratory. His subject will be "Microscopic Description of the (He,t) Reaction."

The seminar is set for Friday, January 23, at 3:15 p.m. in the East Auditorium of ORNL's 4500N Building.

## More Uranium Is Shipped From K-25

The Oak Ridge Gaseous Diffusion Plant shipped approximately 80,000 pounds of enriched uranium during December for use in nuclear reactors. The plant is one of four facilities operated by Union Carbide Corporation's Nuclear Division for the U.S. Atomic Energy Commission.

The uranium, which was enriched at a charge of approximately \$2.4 million, filled orders authorized under two AEC programs — Toll Enrichment and "Lease and Sale."

Under the Toll Enrichment program, approximately \$2.3 million worth of separative work was performed for customers in West Germany, as well as in the States of Minnesota, Nebraska, South Carolina and Illinois.

Customers are charged for the services required to separate from natural uranium the desired percentage of the uranium-235 isotope, which is the fissionable material used in nuclear reactors.

Under the "Lease and Sale" program, the Humbolt Bay reactor in California received government-owned enriched uranium valued at more than \$60,000.

The AEC's gaseous diffusion plants at Paducah, Ky., and Portsmouth, Ohio, are also involved in the uranium enrichment program.

## Tom Sawyer Is Jr. Players Trial

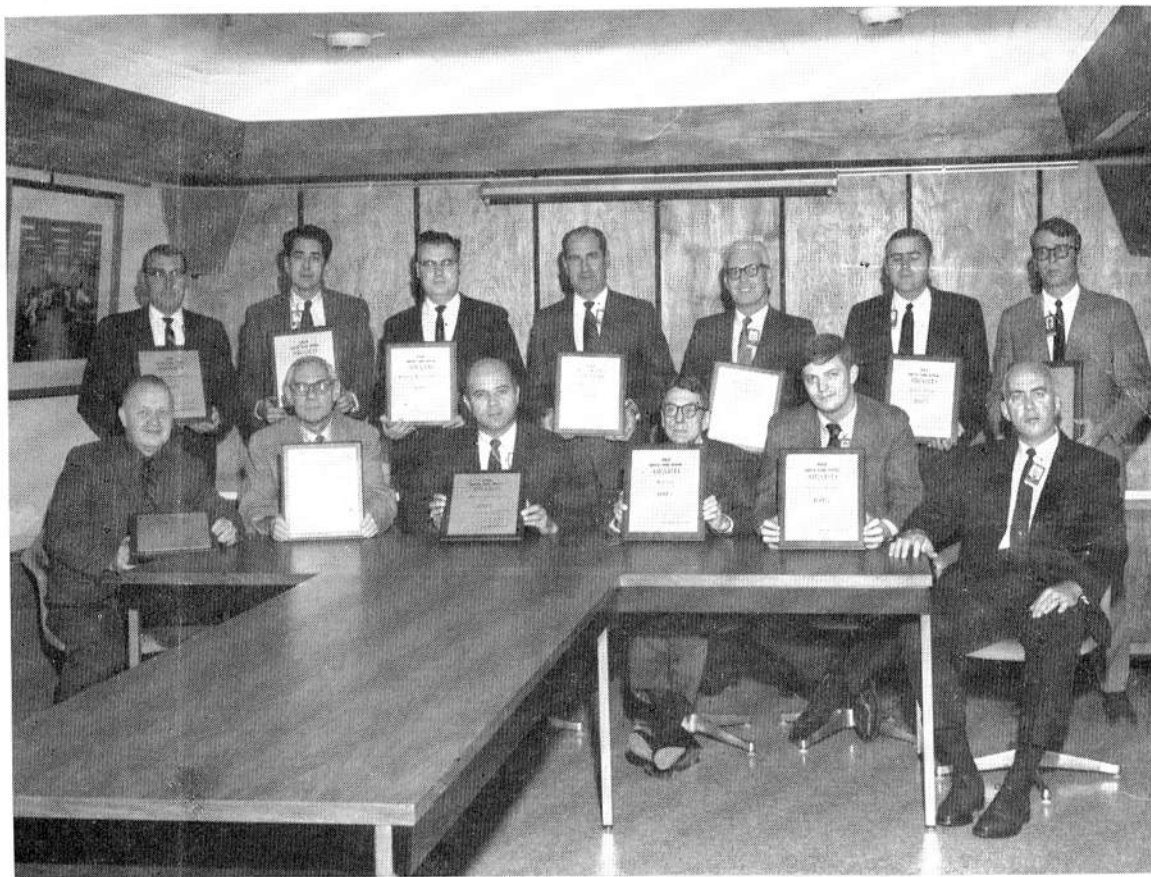
"Tom Sawyer" is new to each generation, and Junior Playhouse will present a play based on the Mark Twain work early in April. Try-outs will be held in the Playhouse at 11:30 a.m., Saturday, January 24, and rehearsals will begin in mid-February.

All the high adventure, comedy, murky tragedy and well-known characters of the novel are brought to life in Sara Spencer's adaptation for the stage. Tom and Huck have the restless inquisitiveness of all boys, Injun Joe is the most evil of villains, the schoolmaster is the strictest of disciplinarians and Becky Thatcher is the sweetest of all heroines.

Needed for the speaking cast will be seven boys and five girls between the ages of 10 and 14 years, two adult females and six adult males. Additional people of any age may be needed for crowd scenes. No experience is necessary, try-outs are open to everyone, and inquiries should be directed to Mrs. Paul Ebert, Magnolia Lane.

## Year-2000

A mere 30 years from now . . . life should be a little different, says the U.S. Chamber of Commerce. We will work only 31 hours a week. Some may prefer two 20-hour-a-week jobs. Others may work only six months a year or work very hard for 10 to 15 years and retire at age 40. In the next decade, no less than 275,000 doctorate degrees are expected to be earned—more than all the doctorates earned in the entire history of the nation. Knowledge industries, which will produce and distribute ideas, will account for one-half of the total U.S. national product. Business will have to develop "an instinct for survival in a political world," and will be expected by the public to place greater emphasis on "the quality of life." Markets, more and more, will become multinational corporations, a "global village." By 1980, the demand for fresh water in the U.S. will run to about 600 billion gallons a day—double the



**FOR THE FIRST TIME** in its history, Y-12's divisions all exceeded their United Fund goals! The divisional chairmen are seen above proudly holding the plaques they took back with them from a recent meeting where the good news was heralded. Seated from left are Jack Adkins, Larry McLaughlin, Don McMurray, John Harding, Bill Williams and Y-12 Chairman Ken Denton. Standing from left are Bob Cable, Sam Murphy, Paul Bass, Russ Dagley, Jake McMurray, Al Christman and Hugh Beeson. Cliff Johnson, Product Engineering, was not present for the picture-taking.



**UNION REPRESENTATIVES WHO GAVE** gallant service to the United Fund drive in November in Y-12 are seen above receiving plaques for outstanding contributions by each craft. Seated from left are George Beasley, Local 900 Operating Engineers; George Hyatt, Local 480 Machinists; Billie Allen, Local 623 Culinary Workers; F. E. Clevenger, Local 718 Pipefitters; R. L. Christman, Local 1805 Painters; and W. T. Cale, Local 166 Building Services. Standing are Sam Webster, Local 760 Electricians; Ray Hester, Local 51 Sheetmetal Workers; F. D. Bradburn, Local 50 Carpenters; R. H. "Red" McNabb, Local 252 Chemical Workers; O. L. Williams, Local 52 Asbestos Workers; Elmer Floyd, Local 3 Bricklayers; D. D. Neikirk Sr., Local 33 Boilermakers.

present consumption. Unless air pollution is controlled by 1980, over 250 million tons of pollutants will be fouling the air. At the turn of the century, inter-continental freight shipments will be transported by an ICBM-type rocket. Hypersonic "sky buses" will carry travelers from New York to London in 30 minutes. . . . By 2000, there may be 200 million cars in the U.S. three times the present total. Over \$10 billion may be spent on mass transit in the U.S. between now and 1980, about 75 per cent going for ad-

vanced rail systems. New housing starts will total nearly 4.2 million units in the year 2000—roughly three times recent rates . . . By 2000, 25 per cent of the Gross National Product will be spent for education as compared to six per cent today.

## Junior Playhouse Sets Fantasy Next Week-End

The Junior Playhouse will present "You'll Never Believe It," Saturday, January 31 and Sun-

day, February 1, at 1 and 3 p.m. in the Playhouse. Ralph, a computer time machine, takes his friend Buttons the clown back to the time of cave men, then to 1637 in the Swiss Alps and finally to a strange class room on the moon in the year 2002.

Tickets will be on sale one week before the performances at Overton's, Woodland Drug Store, Jackson Square Pharmacy and Elm Grove Drug Store and one hour before each performance at the Playhouse. Tickets will be 75 cents each.



# Basketball's Computes Lead Massacre 120 to 38 Over Y-12 Development Team

Basketball action continued through the cold of early last week. The Spotters were hot, however, and spoiled the recreation efforts of Development's All Stars, up-turning them 63 to 9. The Spotters ran the Stars into submission with everybody getting in on the action, stealing the ball and fast-break lay-up shots.

The Butterballs battled the K-25 Trojans to the ground 65 to 45 in Monday's second warm-up. The Trojans had to play without their 'big horse' and tried valiantly to storm the walls but the Butterballs thrust back with balanced fire power.

Curt McGinnis led the troops with 22 points.

The Mod Squad slipped by the Aggressors in the last 15 seconds of the game, 40 to 35 . . . the Squad hitting two straight baskets to seal the game. Frank Thompson was hitting his specialty (the jump shot) and Bill Olsen was matching with his close-in jump shots.

## Runners 'No-Show'

Meanwhile on the outer court, the Bombers took a forfeit from the Road Runners . . . as it was too cold for the Runners to show.

The Computes proved their nettle by clipping the tail-feathers of the Hawks, 85 to 34. The Computes played only five men, and all five of them got into double scoring figures . . . Jim Treadwell ahead, as usual, with 32!

The final contest of the night saw the Beta 2 Miners take the Isotopes 48 to 40. Isotopes outscored the Miners 19 to 16 from the field, but lost the game as the Miners hit 18 charity tosses while the I's managed only two from the foul line. Ron Milligan accounted for 10 of the Miners' free throws.

Wednesday night, as temperatures moderated, the competition came on strong.

## Y-12 Rats Routed

The CC 69ers completely routed the Y-12 Rats 67 to 22. Jim

Williams and Ed Angel led the big team with 18 and 20, respectively.

Steve Combs and Larry Jones each scored 10 for the losing Rats.

The Nads trimmed the Buccaneers 43 to 26 . . . Tony Thomas proving himself with 12 through the basket.

Earl Nall was big gun for the Buccaneers with nine points.

## Computes Score Big

The Computes ran up a score of 120 to 38 against Development's All Stars. (Couldn't somebody stop that slaughter?) Larry Finch tallied 23; Sam Gaines, 21; Jim Treadwell, 18, Dick Hudson, 16; Butch Loy, 15; Bob Alred, 14 and Phil McCulley, 10.

This very well may be a record for a Y-12 team's score this year!

The Rolling Bones rolled over the Ail Stars 48 to 28 with Big Dick Vaughn hitting from the outside with 18 points to lead the Bones to an easy win over the "Ailing" Stars. John Bryson furnished the only bright spot for the Stars.

The Bombers had too much fire power for the Quarks in Wednesday's play, downing them 47 to 24. Ray Bollen dropped 17 through to lead both teams. Don Ferree fielded the Quarks with 11 points.

The GBU's had meat loaf for a late snack . . . defeating the Meat Loafs 84 to 27. The fast break to perfection with all members of the team getting into big scoring acts . . . four in the double figure column. Larry McDonald led the pack with 23.

League standings follow:

Team	W	L
Computes, ORNL	6	0
GBU's, Y-12	5	0
Nads, ORNL	6	1
CC 69ers, K-25	4	1
Spotters, ORNL	4	1
Rolling Bones, ORNL	4	1
Beta 2 Miners, Y-12	4	1
K-25 Trojans	4	2
Bombers, ORNL	4	2
Butterballs, ORNL	3	2
Isotopes, ORNL	3	4
Aggressors, ORNL	2	3
Quarks, Y-12	2	4
Mod Squad, Y-12	2	4
Meat Loafs, ORNL	2	5
Buccaneers, Y-12	1	4
Ail Stars, ORNL	1	4
Hawks, Y-12	1	4
Rats, Y-12	1	5
Road Runners, ORNL	1	5
Development All Stars, ORNL	0	7

# Rebels, Bumpers Tie In Classic

The Rebels and Bumpers stand atop the Classic Bowling League after downing the Pinbusters for three, the Eagles for four respectively in play last week. The only other four-point win saw the Rippers sail past the Playboys.

Three points went to the Has Beens over the Screwballs, the Swingsters by the Splinters, the Markers over the Smelters and the Tigers past the Cubs. The Eightballs and All Stars shared two.

Joe Morgan, Swingsters, rolled a 237 scratch single. Gib Hatmaker, Eagles, added a 265 handicap, single, in his honors. Ray Galford, Bumpers, bested the field in series with a 617 scratch; Charles Baxter, Screwballs, posted a 663 handicap series.

The Swingsters rolled best singles, 992 scratch and 1094 handicap. The Rebels routed the field in series with 2644 scratch, but the Swingsters returned to the boards with a series handicap count of 2957.

League standings follow:

Team	W	L
Rebels	7	1
Bumpers	7	1
All Stars	6	2
Has Beens	6	2
Swingsters	6	2
Splinters	5	3
Rippers	5	3
Screwballs	4	4
Pinbusters	4	4
Markers	4	4
Tigers	4	4
Eightballs	3	5
Cubs	2	6
Smelters	1	7
Eagles	0	8
Playboys	0	8

# Huddleston, Brewer Lead Table Tennis

Resuming action after the holidays, Table Tennis men saw Royal Huddleston charge out in the X League to down three opponents for three games . . . Jerry Keyes, Jerry Goldstein and Bill Motley. Herb Mook took three from Goldstein, two from Subbu Raman and Bill Foutz. Raman won two from Loyd Wyatt and three from Keyes.

Foutz also took three from Keyes, and Goldstein down Keyes for three.

X League standings:

Player	W	L
Roy Huddleston, Y-12	9	0
Herb Mook, X-10	7	2
Loyd Wyatt, Y-12	9	3
Subbu Raman, X-10	6	3
Bill Foutz, X-10	5	4
Bill Motley, Y-12	3	6
Jerry Goldstein, X-10	3	0
Jerry Keyes, Y-12	0	15

In the Y League, Gordon Brewer swept big wins from Bob Smith, Ken Toth, Bill Bardill and Ram Uppuluri. He won two from Ed Gambill. Art Weinberger took three from Toth and Bob Smith. Gambill won three from Bardill, Uppuluri and Toth. Bardill posted sweeps from Smith, Gene Zeigler and Toth.

Y League standings:

Player	W	L
Gordon Brewer, Y-12	14	1
Art Weinberger, X-10	6	0
Ed Gambill, Y-12	10	2
Bill Bardill, X-10	9	3
Gene Zeigler, X-10	6	6
Ken Toth, X-10	0	12
Ram Uppuluri, X-10	0	9
Bob Smith, Y-12	0	12

# Recreation



Monday, January 26

BOWLING: C League, 5:45 p.m. Ark Lanes.

TABLE TENNIS: 7 p.m., Wildcat's Den.

BASKETBALL: 6:30, 7:30, 8:30 p.m. Oak Ridge High School Gym. Front Court: Development All Stars vs. Rolling Bones; Ail Stars vs. Bombers; K-25 Trojans vs. Aggressors. Back Court: Road Runners vs. CC 69ers; Y-12 Rats vs. Buccaneers; Quarks vs. Spoilers.

Tuesday, January 27

PHYSICAL FITNESS: (For Men) 7-9 p.m., Oak Ridge High School Gym.

BOWLING: Carbide Starlite League, 8:30 p.m., Starlite Lanes, Knoxville.

Wednesday, January 28

BASKETBALL: 6:30, 7:30, 8:30 p.m. Oak Ridge High School Gym. Front Court: Computes vs. Buccaneers; Ail Stars vs. Butterballs; Quarks vs. Aggressors. Back Court: Spoilers vs. Rolling Bones; Development All Stars vs. Road Runners; Bombers vs. Hawks.

BOWLING: Mixed League, 8 p.m., Ark Lanes.

Thursday, January 29

BOWLING: Classic League, 5:45 p.m., Ark Lanes.

VOLLEBALL: 6:30, 7:45, 9 p.m. Oak Ridge High School Gym. Court A: Boomerangs vs. Bombers; Ecobums vs. Eagles; Beta 4 Commodores vs. Y-12 Old Men. Court B: The Pack vs. ORNL Old Men; Blacksmiths vs. Beavers; K-25 Gashouse Gang vs. Hawks.

Sunday, February 1

SKEET TOURNAMENT: 1 p.m. Oak Ridge Sportsman's Association.

Saturday, February 7

GAME TIME: 7:30 p.m. Elks Lodge, East Village, Oak Ridge. Sponsored by E, F, G, H & J Shifts. All Y-12ers and families invited. 18 games \$1.50.

# Mixed Lead Still In Goofers' Hands

The Goofers and Spare Parts stay a couple of points divided after both won three-point victories last week in the Mixed Bowling League. The Goofers gained theirs at the expense of the Alley Cats, and the Spare Parts overran the Roses 'N Thorns. The Twisters tore three and one-half points from the hides of the Hits & Misses. The Rollers rolled by the Mustangs for three.

Spence Ferguson, Twisters, rolled a 207 scratch, 235 handicap single. Roy Scates, Goofers, gleaned a 566 scratch, 623 handicap series. Mildred Morris, Goofers, rolled a 187 scratch, 229 handicap single. Lou Sahr, Twisters, put a 496 scratch, 613 handicap series on ice.

The Twisters took all team honors . . . singles of 739 scratch, 885 handicap. Their series were 1948 scratch, 2386 handicap.

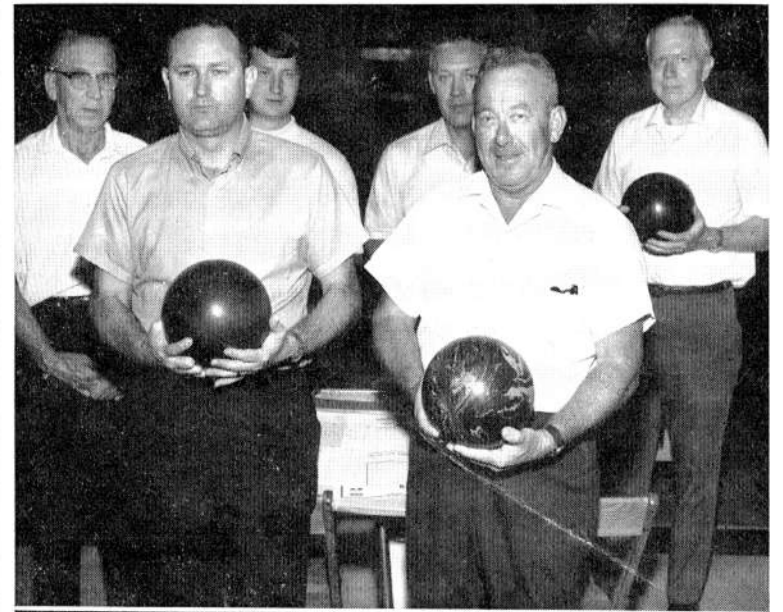
League standings follow:

Team	W	L
Goofers	10	2
Spare Parts	8	4
Alley Cats	7	5
Twisters	6½	3½
Roses 'N Thorns	6	3½
Rollers	4	8
Hits & Misses	3½	8½
Mustangs	3	9

## NEVER FAIL METHOD

One way to keep the kids at home more is to keep the home as attractive as possible . . . then let all the air out of the tires!

Any off-guard minute can have an accident in it.



C BOWLERS WHO GIVE FITS to opponents any night of the Monday league are the Parbusters and Big Five . . . above. In the top photo are the Parbusters, left to right, Roy Roberts, J. E. Cheek, Kendall Brooks, Herman Butler, Frank Thurman and Captain Joe Beever. In the lower picture are the Big Five, Norm Jarvis, J. J. Sewell, Ed Sise, Jack Smiddy and Captain Billy Sise.

# Big Five Keep Safe Edge As C Alley Men Bowl Well Into League's 2nd Half

The Big Five put the Go Go Gophers down for the full count last week, to keep a firm grip on the C Bowling alley lead.

Posting three were the Instrument Engineers by the Bombers, the Badgers past the HiLifers, the Sunflowers over the Fireballs, the Anodes past the Parbusters, and the Royal Flush 'round the Rollmasters.

Dick Huber, Badgers, belted out all individual highs! He rolled a single of 222 scratch, 236 handicap; series of 611 scratch, 653 hanicap.

## E, F, G, H & J Shifters Party Night Feb. 7

The 'games people play' that the Bulletin dare not mention in print . . . E, F, G, H & J Shiftmen are planning a big game night, Saturday, February 7. Time: 7:30 p.m., and the place: Elks Lodge, East Village, Oak Ridge.

There will be 18 games . . . and you can purchase cards for all 18 \$1.50.

Although the event is sponsored by the ABCers . . . all Y-12ers and their families are welcomed.

There will be a limited number of seats, however, so if you want to make sure you get in, you'd better get there early.

## IS ICUMEN IN

Summer has been defined as that time of year children slam the doors that they left open the cold part of the year.

The Rounders were best in singles, 924 scratch, 1040 handicap.

League standings follow:

Team	W	L
Big Five	14	2
Instrument Engineers	11	5
Badgers	10	6
Rounders	9	7
Fireballs	9	7
Sunflowers	9	7
HiLifers	8	8
Rollmasters	7	9
Anodes	7	9
Go Go Gophers	5	11
Royal Flush	4	12
Parbusters	3	13

# Beavers Are Still Volleyball 'Best'

The Set-Ups began Volleyball action last week by downing the Eagles for the full four games 15-1, 15-6, 15-9 and 15-10. The Boomerangs beat the Y-12 Old Men 15-13, then the Old Men turned in fury and defeated the 'Rangs 15-10, 15-13 and 15-12. The ORNL Old Men put the Ecobums down 15-1, 15-7, 15-5 and 15-8.

Meanwhile, back on Court B the Beavers bested the Beta 4 Commodores 15-8, 15-6, 15-5 and 15-12. The Pack put off the K-25 Hawks 15-3, 15-0, 15-7 and 15-11. The K25 Gashouse Gang overcame the Blacksmiths 15-8, 15-8, 15-6 and 15-10.

League standings follow:

Team	W	L
Beavers, Y-12	16	0
The Pack, ORNL	12	0
K-25 Gashouse Gang	15	5
Old Men, ORNL	13	3
K-25 Hawks	14	6
Set-Ups, ORNL	10	6
Y-12 Old Men	7	9
Blacksmiths, ORNL	7	13
Ecobums, ORNL	5	15
Eagles, Y-12	4	12
Bombers, ORNL	3	13
Boomerangs, ORNL	2	18
Beta 4 Commodores, Y-12	0	16





### SLUSS — SEYMOUR

A holiday wedding united Miss Patricia Seymour and Mr. David Sluss, Saturday, December 21. The nuptials were performed at 3 p.m. in the First Baptist Church, Clinton, with the Reverend Hayward Highfill officiating. White poinsettias and greenery with white candles decorated the church.

The bride is the daughter of Mr. and Mrs. Warren C. Seymour, 132 Alabama Avenue, Clinton; and the groom is the son of Mr. and Mrs. Charles Sluss, Midway Drive, Oliver Springs. Mr. Seymour recently retired from Y-12's Chemical Services.

The bride's gown of bridal satin and re-embroidered alencon lace featured a high neckline with a yoke of English illusion, long sleeves and a flowing chapel train. Her three-tiered silk illusion veil was held by a flower of lace and seed pearls. She carried a Bible topped with orchids and in her bouquet was a handkerchief that had belonged to her grandmother.

Miss Reba Gentry, organist and vocalists Mary Ann Shoopman, Evelyn Taylor and Brenda and Nancy Winstead, provided wedding music.

Mrs. Walter Lee Wood, Birmingham, Alabama, was the matron of honor for her cousin. Bridesmaids were Carol Reed, Oak Ridge; Deidrie Taylor, Clinton; Linda White, Powell, and Libby Chamblee, cousin of the bride, Epworth, Georgia. Vicki Martin was flower girl.

John Sluss, Atlanta, was his brother's best man. Ushers were Danny Sluss, another brother, from Oliver Springs; Ricky Woods, also of Oliver Springs;

### Carbide Pioneers Club Applications Now Due

For those eligible employees and retirees who missed the Carbide Pioneer Club application in last week's Bulletin, it is being repeated below.

Eligible women and men include anyone 55 years of age or older, those with 25 years company service credit, any retiree or disabled terminée, or surviving spouse.

Merely fill out the application and mail to the Recreation Department, Building 9711-5.



Mr. and Mrs. David Sluss

David Brasier, Oak Ridge, and Randy Baker, Jellico.

A reception honored the couple at the church. Assisting were Sherry Tucker, Linda Talley, Diana Parton, Becky Carmichael and Janice Alley, all of Clinton. The guest book was kept by Katie Horton, also of Clinton.

The bride is a junior at the University of Tennessee. The groom, also a junior at U.T., is employed at the Waldorf Restaurant.

They are making their home on Highland Avenue, Knoxville.



**Ride wanted from New Salem Baptist Church area, Tacora Hills, Clinton, Oak Ridge Highway, to Bear Creek Portal, straight day.** Marshall Hickman, plant phone 3-7258, home phone Clinton 457-2321.

**Ride wanted from Heather Heights, Knox County, to East Portal, straight day.** E. L. Zachary, plant phone 3-5095, home phone Powell 947-7576.

**Ride wanted or will join car pool from North Hills, Knoxville, to West Portal, straight day.** H. A. Hanna, plant phone 3-5283, home phone Knoxville 522-0587.

**Ride wanted from Callahan Road, Powell, to Central or West Portal, straight day.** A. V. Bailey, plant phone 3-5283, home phone Powell 947-1109.

**Ride wanted from West Town Manor Apartments, West Knoxville, to Central Portal, straight day.** Pat Holden, plant phone 3-5057, home phone Knoxville 584-3381.

Cleanliness is next to safety.

## Hi-Jackers Ease Into Starlite Lead

The Hi-Jackers slipped out in front of the pack last week in the Carbide Starlite Bowling set. They downed the Woodpeckers, their nearest competitors for two points.

The Splitters seized three points from the Dynapaths, as the Has Beens trounced the Jaguars by the same score. Also posting three were the Thunderbirds over the Wildcats.

Al Sawyer, Has Beens, rolled a 201 scratch game. Earl Braden, Splitters, sailed in with a 243 handicap single. Earl Severs, Hi-Jackers, hit series of 533 scratch, 628 handicap.

The Hi-Jackers rolled high scratch counts . . . singles of 893, series of 2574. The Has Beens had high handicap countings, singles of 1056, series of 2942.

Team	W	L
Hi-Jackers	29	10
Woodpeckers	28	11
Splitters	25	11
Dynapaths	21	18
Has Beens	20	19
Thunderbirds	19	20
Jaguars	4	35

## Safety Awards

Continued from Page 1  
vided in the past. Proposals by area stores have been evaluated by the Purchasing Department, and Almart, Inc., Clinton Highway, Knoxville, has been selected as the area merchandiser to furnish the gift certificates for calendar 1969. This firm has agreed to increase the award amount by 25 per cent. This increase will be reflected in the face value of the certificate. The certificates will be redeemable for merchandise only and are transferable by endorsement. The certificates may be redeemed at any time without time restriction. They will not be replaced, should they be lost or stolen. Distribution of the gift certificates will be made through supervision, and should be affected in the next week or so.

Injury summary for 1969 show an increase of 100 percent in lost-time injuries . . . from two to four . . . an increase in frequency rates from 0.18 to 0.32.

A detailed analysis will be released shortly on Y-12's total performance safety-wise for the year just past.

## Nuclear News

Continued from Page 1  
dead-lines are absolute and exceptions cannot be made because of printing commitments.

This will be the last regularly published edition of The Bulletin. The new News will belong to Carbide employees, and comment is welcomed.



## UNION CARBIDE CORPORATION

NUCLEAR DIVISION

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Van Noddall



Whitcomb

## 10 More Elect Early Retirement

Another 10 Y-12ers have elected early retirements this month. Leaving January 30, will be E. K. DeLong, Research Services; C.M. McAmis, General Expediting and Auxiliary Services; R. E. McGill, Buildings, Grounds and Maintenance Shops; S. M. Pintur, Machine Maintenance; Floyd Queener, Buildings, Grounds and Maintenance Shops; Corum Scott, Plant Records; W. T. Van Noddall, Beta Four Heavy Machine Shop; J. R. Whitcomb, SS Material Control; W. R. Worthington, Timekeeping Department; and J. C. Yarber, Utilities Administration.

Good luck, men!

## Spectral Distributions Is Seminar Topic

A special Physics Division seminar will be held today as J. B. French, University of Rochester, will speak on "Spectral Distributions in Nuclei."

The seminar is set for today, Wednesday, January 21, at 1:15 p.m. in the East Auditorium of ORNL's 4500N Building.

## 21,000 Involved In AEC Efforts

The Atomic Energy Commission's Oak Ridge Operations (ORO) has begun the new year with about 21,000 AEC and contractor employees, approximately 16,400 of whom are working at installations in Oak Ridge.

The ORO personnel are carrying out broad programs in production, research, development and training in facilities now representing \$3.3 billion of the AEC's total investment of \$9 billion in 28 states.

The majority of Oak Ridge personnel are employees of Union Carbide Corporation, operating the AEC's Y-12 plant (around 6,000 employees), Oak Ridge National Laboratory (about 4,900 employees) and Oak Ridge Gaseous Diffusion Plant (about 2,800 employees).

Other AEC contractor employees here include some 330 at Oak Ridge Associated Universities, 150 at the Agricultural Research Laboratory, and 1,480 construction and maintenance workers. There are about 790 AEC employees working in Oak Ridge.

Approximately 4,100 of the ORO work force are employed at AEC installations outside of Tennessee, and about 700 others work at privately-owned and university facilities under AEC contract.

The AEC and contractor personnel at ORO installations in other areas include about 1,180 at Paducah, Kentucky; 1,360 at Portsmouth, Ohio; 1,200 at Cincinnati, Ohio; 300 at Puerto Rico; and 60 at New Brunswick, New Jersey.

## MORE GRAFITTI

Be sincere, whether you mean it or not!

Caution is not cowardly, and carelessness is not courage.



**MARVIN L. WINTERS Jr.** born June 13, last year, is the grandson of Mr. and Mrs. H. B. Smith, Route 2, Powell, and Mr. and Mrs. Elwood Duncan, Oliver Springs. 'Little Junior' has an uncle Harold Smith Jr. on the Guard force. Grand-pop Smith is in Buildings and Grounds.



**PRETTY AMY** Kay Beets was one year old recently and is seen on her birthday. She is the daughter of Dail and Anita Beets, Clinton, the grand, granddaughter of Frank Fuis, Norris. Fuis is in Y-12's Tool Engineering.

## Carbide Pioneers Club

### MEMBERSHIP APPLICATION

Name \_\_\_\_\_

Badge No. \_\_\_\_\_

Plant Address \_\_\_\_\_

Home Address \_\_\_\_\_

Zip Number \_\_\_\_\_

Membership basis (Mark more than one if applicable):

- 25 Years Company Service Credit ☐  
 55 Years of Age (or older) ☐  
 Retired ☐  
 Disability Termination ☐  
 Surviving Spouse ☐